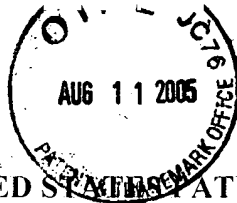


Docket No.: 061352-0065



PATENT

94  
B1 IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|  |   |                            |
|--|---|----------------------------|
| In re Application of   | : | Customer Number: 20277     |
| Hiroshi KANNO  | : | Confirmation Number: 4750  |
| Application No.: 10/736,627  | : | Group Art Unit: 2817       |
| Filed: December 17, 2003   | : | Examiner: Stephen E. Jones |
| For: TRANSMISSION LINE AND SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE |   |                            |

LETTER

Mail Stop IF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached hereto is the English translation of the International Preliminary Examination Report, form PCT/IB/338 and form PCT/IPEA/409 for the examiners information.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

Michael E. Fogarty  
Registration No. 36,139

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
Phone: 202.756.8000 MEF:aph  
Facsimile: 202.756.8087  
**Date: August 11, 2005**

**Please recognize our Customer No. 20277  
as our correspondence address.**

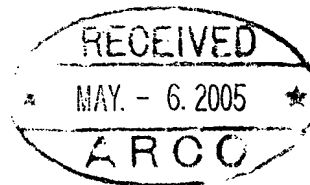
From the INTERNATIONAL BUREAU

**PCT**

**NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**  
(PCT Rule 72.2)

To:

SUMIDA, Yoshihiro  
3rd Fl., Bo-eki Bldg.  
123-1, Higashi-machi  
Chuo-ku  
Kobe-shi, Hyogo 650-0031  
JAPON



|  |   |  |
|--|---|--|
| Date of mailing (day/month/year)<br>28 April 2005 (28.04.2005) |   |  |
| Applicant's or agent's file reference<br>03P438WO <u>JHBA</u>  | IMPORTANT NOTIFICATION  |  |
| International application No.<br>PCT/JP2003/009784             | International filing date (day/month/year)<br>01 August 2003 (01.08.2003) |  |
| Applicant<br>MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. et al    |   |  |

**1. Transmittal of the translation to the applicant.**

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

**2. Transmittal of the copy of the translation to the elected Offices.**

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

AZ, CA, CH, CN, CO, EP, GH, KG, KP, KR, MK, MZ, RO, RU, TM

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, BA, BB, BG, BR, BY, BZ, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, ES, FI, GB, GD, GE, GM, HR, HU, ID, IL, IN, IS, JP, KE, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MN, MW, MX, NI, NO, NZ, OA, OM, PG, PH, PL, PT, SC, SD, SE, SG, SK, SL, SY, TJ, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

**3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).**

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

**It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.**

|  |  |
|--|--|
| The International Bureau of WIPO<br>34, chemin des Colombettes<br>1211 Geneva 20, Switzerland<br><br>Facsimile No.+41 22 740 14 35 | Authorized officer<br><br><p align="center"><b>Masashi Honda</b></p> Facsimile No.+41 22 338 70 10 |
|--|--|

Translation

PATENT COOPERATION TREATY

PCT/JP2003/009784



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

|   |   |   |
|---|---|---|
| Applicant's or agent's file reference<br>03P438WO   | <b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416) |   |
| International application No.<br>PCT/JP2003/009784  | International filing date (day/month/year)<br>01 August 2003 (01.08.2003)   | Priority date (day/month/year)<br>01 August 2002 (01.08.2002) |
| International Patent Classification (IPC) or national classification and IPC<br>H01P 3/02, H01L 27/04 |   |   |
| Applicant<br>MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.   |   |   |

|   |  |
|---|--|
| <p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of <u>4</u> sheets.</p>   |  |
| <p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the report</p> <p>II <input type="checkbox"/> Priority</p> <p>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p> |  |

|   |  |
|---|--|
| Date of submission of the demand<br>05 December 2003 (05.12.2003) | Date of completion of this report<br>01 July 2004 (01.07.2004) |
| Name and mailing address of the IPEA/JP                           | Authorized officer   |
| Facsimile No.   | Telephone No.  |

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP2003/009784

## I. Basis of the report

## 1. With regard to the elements of the international application:\*

- ☐ the international application as originally filed
- ☒ the description:  
pages 1-36, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the claims:  
pages 2-8, 10, 11, 14-17, as originally filed  
pages \_\_\_\_\_, as amended (together with any statement under Article 19  
pages 1, 9, 12, 13, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the drawings:  
pages 1-25, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

## 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

## 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/fig \_\_\_\_\_

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP 03/09784

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

|                               |        |                |     |
|-------------------------------|--------|----------------|-----|
| Novelty (N)                   | Claims | 9-11, 13-17    | YES |
|                               | Claims | 1-8, 12        | NO  |
| Inventive step (IS)           | Claims | 9-11, 13       | YES |
|                               | Claims | 1-8, 12, 14-17 | NO  |
| Industrial applicability (IA) | Claims | 1-17           | YES |
|                               | Claims |                | NO  |

## 2. Citations and explanations

Claims 1 to 8, 12

Document 1: JP 2002-171105 A (Sumitomo Metal (SMI) Electronics Devices Inc.), 14 June 2002, entire text, fig. 3, 5, 6, 17

Document 1 discloses a transmission line provided with a signal line (signal line (2)), a resistor layer (resistor (5)) facing the aforementioned signal line with a dielectric layer (dielectric substrate (1)) interposed therebetween, and conductors for grounding (ground planes (3)) which are electrically connected to the aforementioned resistor layer, and the electrical conductivity, material, and width of the resistor are merely features fittingly determined as needed at the discretion of a person skilled in the art.

Accordingly, a comparison of the invention described in claims 1 to 8 and 12 and the transmission line disclosed in document 1 reveals no particular difference in configuration, and thus, claims 1 to 8 and 12 lack novelty.

Claims 14 to 17

Document 2: JP 1-233812 A (Fujitsu Ltd.), 19 September 1989, entire text, all drawings

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP 03/09784

Document 2 discloses a semiconductor integrated circuit provided with a multi-stage high-frequency amplifier, wherein a bias circuit has a resistor (R3) and a capacitor (C6) shunt-connected in series on a bias line, and a person skilled in the art could easily conceive of constituting said bias circuit using the transmission line disclosed in document 1.

In the response to the written opinion, the applicant points out that document 1 makes no mention of the thickness of the dielectric substrate and discloses nothing pertaining to the occurrence of a capacitance between the signal line (2) and the resistor (5), and asserts that there are differences between the invention disclosed in document 1 and the invention of the present application, one being that the dielectric layer of the present invention is markedly thinner than the substrate, namely, 1  $\mu\text{m}$  in embodiment 2 and 0.2  $\mu\text{m}$  in embodiment 4, for example.

However, the only description in the claims of the present application pertaining to the thickness of a dielectric body is of "a dielectric layer," and thus, no comparison to the "dielectric substrate" disclosed in document 1 can be made using only this description.

Moreover, a person skilled in the art could easily apprehend that a capacitance could occur between the signal line (2) and the resistor (5) disclosed in document 1.

Accordingly, the assertions of the applicant in the response to the written opinion are not accepted.